

10/084,506

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LOGINID:SSSPTA1204RXW

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

| | | | |
|--------------|----|--------|--|
| NEWS | 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | | "Ask CAS" for self-help around the clock |
| NEWS | 3 | SEP 09 | CA/CAPLUS records now contain indexing from 1907 to the present |
| NEWS | 4 | DEC 08 | INPADOC: Legal Status data reloaded |
| NEWS | 5 | SEP 29 | DISSABS now available on STN |
| NEWS | 6 | OCT 10 | PCTFULL: Two new display fields added |
| NEWS | 7 | OCT 21 | BIOSIS file reloaded and enhanced |
| NEWS | 8 | OCT 28 | BIOSIS file segment of TOXCENTER reloaded and enhanced |
| NEWS | 9 | NOV 24 | MSDS-CCOHS file reloaded |
| NEWS | 10 | DEC 08 | CABA reloaded with left truncation |
| NEWS | 11 | DEC 08 | IMS file names changed |
| NEWS | 12 | DEC 09 | Experimental property data collected by CAS now available in REGISTRY |
| NEWS | 13 | DEC 09 | STN Entry Date available for display in REGISTRY and CA/CAPLUS |
| NEWS | 14 | DEC 17 | DGENE: Two new display fields added |
| NEWS | 15 | DEC 18 | BIOTECHNO no longer updated |
| NEWS | 16 | DEC 19 | CROPU no longer updated; subscriber discount no longer available |
| NEWS | 17 | DEC 22 | Additional INPI reactions and pre-1907 documents added to CAS databases |
| NEWS | 18 | DEC 22 | IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields |
| NEWS | 19 | DEC 22 | ABI-INFORM now available on STN |
| NEWS | 20 | JAN 27 | Source of Registration (SR) information in REGISTRY updated and searchable |
| NEWS | 21 | JAN 27 | A new search aid, the Company Name Thesaurus, available in CA/CAPLUS |
| NEWS | 22 | FEB 05 | German (DE) application and patent publication number format changes |
| NEWS EXPRESS | | | DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003 |
| NEWS HOURS | | | STN Operating Hours Plus Help Desk Availability |
| NEWS INTER | | | General Internet Information |
| NEWS LOGIN | | | Welcome Banner and News Items |
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Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:48:13 ON 02 MAR 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 07:48:31 ON 02 MAR 2004

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STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

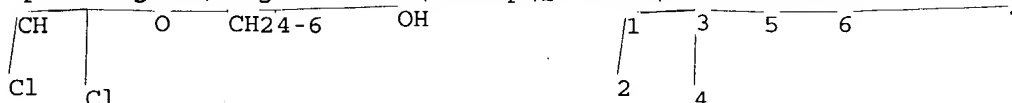
ENTER SCREEN EXPRESSION OR (END):end

=> screen 1992 OR 2006 OR 2016 OR 2021 OR 2026 OR 1838

L1 SCREEN CREATED

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Uploading C:\Program Files\Stnexp\Queries\10084506a.str



chain nodes :

1 2 3 4 5 6 7

chain bonds :

1-2 1-3 3-4 3-5 5-6 6-7

exact/norm bonds :

3-5

exact bonds :

1-2 1-3 3-4 5-6 6-7

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS

10/084,506

L2 STRUCTURE UPLOADED

=> que L2 NOT L1

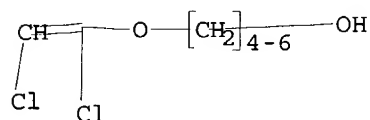
L3 QUE L2 NOT L1

=> d

L3 HAS NO ANSWERS

L1 SCR 1992 OR 2006 OR 2016 OR 2021 OR 2026 OR 1838

L2 STR



Structure attributes must be viewed using STN Express query preparation.

L3 QUE L2 NOT L1

=> s l3

SAMPLE SEARCH INITIATED 07:49:00 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L2 NOT L1

=> s l3 ful

FULL SEARCH INITIATED 07:49:05 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 13 TO ITERATE

100.0% PROCESSED 13 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L5 1 SEA SSS FUL L2 NOT L1

=> d

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 329270-10-2 REGISTRY

CN 1-Pentanol, 5-[(1,2-dichloroethenyl)oxy]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 5-(1,2-Dichloroethenyloxy)-1-pentanol

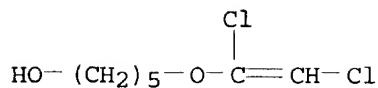
FS 3D CONCORD

MF C7 H12 Cl2 O2

SR CA

LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

10/084,506



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

157.19

157.40

FILE 'CAPLUS' ENTERED AT 07:49:23 ON 02 MAR 2004

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FILE COVERS 1907 - 2 Mar 2004 VOL 140 ISS 10

FILE LAST UPDATED: 1 Mar 2004 (20040301/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 15

L6

3 L5

=> dup rem l6

PROCESSING COMPLETED FOR L6

L7

3 DUP REM L6 (0 DUPLICATES REMOVED)

=> d 1-3 bib fhitstr

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:356398 CAPLUS

DN 138:353663

TI Process for producing purified fluorine compound

IN Iwaya, Masao; Okamoto, Hidekazu; Oharu, Kazuya

PA Asahi Glass Company, Limited, Japan

SO PCT Int. Appl., 27 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.

KIND DATE

APPLICATION NO. DATE

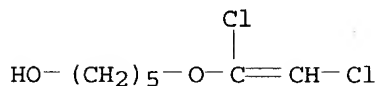
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          GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS,
          LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,
          PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,
          UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
          TJ, TM
      RW:  GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
          CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
          PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
          NE, SN, TD, TG

PRAI JP 2001-338076      A      20011102
OS      CASREACT 138:353663; MARPAT 138:353663
IT      329270-10-2P, 5-(1,2-Dichloroethenyloxy)-1-pentanol
      RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic
preparation); PREP (Preparation); RACT (Reactant or reagent)
      (process for producing purified fluorine compds. such as perfluoro
alkanoic acid esters by reaction of pentanediol with trichloroethylene
and perfluoroalkanoyl fluoride and solvent extraction)

RN      329270-10-2      CAPLUS
CN      1-Pentanol, 5-[(1,2-dichloroethenyl)oxy]- (9CI)      (CA INDEX NAME)

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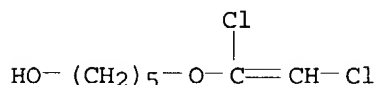
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:256214 CAPLUS
DN 136:294541
TI Process for producing fluorinated ester compounds
IN Okazoe, Takashi; Watanabe, Kunio; Tatematsu, Shin; Yanase, Koichi; Suzuki,
Yasuhiro; Shirakawa, Daisuke
PA Asahi Glass Co., Ltd., Japan
SO PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

| FAN.CNT 1 | | | | | | | | | | | |
|------------|---------------|--|----------|----------------|----------|-----------------|--|-------|--|--|--|
| PATENT NO. | | KIND | | DATE | | APPLICATION NO. | | DATE | | | |
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| | AU 2001092268 | A5 | 20020408 | AU 2001-92268 | 20010927 | | | | | | |
| | EP 1323703 | A1 | 20030702 | EP 2001-972529 | 20010927 | | | | | | |
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| | US 2003216595 | A1 | 20031120 | US 2003-397521 | 20030327 | | | | | | |

10/084,506

PRAI JP 2000-295141 A 20000927
WO 2001-JP8433 W 20010927
OS CASREACT 136:294541; MARPAT 136:294541
IT 329270-10-2P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(process for producing fluorinated ester compound)
RN 329270-10-2 CAPLUS
CN 1-Pentanol, 5-[(1,2-dichloroethenyl)oxy]- (9CI) (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:167952 CAPLUS
DN 134:224308
TI Preparation of vic-dichloro acid fluoride as intermediates for preparing monomers of fluoropolymers
IN Okazoe, Takashi; Watanabe, Kunio; Ito, Masahiro; Shirakawa, Daisuke; Tatematsu, Shin
PA Asahi Glass Company, Limited, Japan
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2001016085 | A1 | 20010308 | WO 2000-JP5888 | 20000830 |
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| RW: | | | | |
| GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| JP 2001139509 | A2 | 20010522 | JP 2000-166773 | 20000602 |
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| JP 2003508374 | T2 | 20030304 | JP 2001-519655 | 20000830 |
| WO 2001094285 | A1 | 20011213 | WO 2001-JP1735 | 20010306 |
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| AU 2001036108 | A5 | 20011217 | AU 2001-36108 | 20010306 |
| EP 1288183 | A1 | 20030305 | EP 2001-908356 | 20010306 |

10/084,506

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

| | | | | | | |
|----|------------|----|----------|----|-------------|----------|
| ZA | 2002000832 | A | 20030130 | ZA | 2002-832 | 20020130 |
| US | 2002107358 | A1 | 20020808 | US | 2002-84506 | 20020228 |
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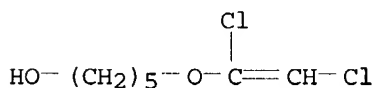
PRAI JP 1999-246154 A 19990831
JP 2000-211722 A 20000712
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WO 2000-JP5888 W 20000830
WO 2001-JP1735 W 20010306

OS MARPAT 134:224308

IT 329270-10-2P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of vic-dichloro acid fluoride as intermediates for preparing
monomers of fluoropolymers)

RN 329270-10-2 CAPLUS

CN 1-Pentanol, 5-[(1,2-dichloroethenyl)oxy]- (9CI) (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> SET NOTICE DISPLAY 1

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> set auhelp off; set smart off; set msteps off; set expand cont; set audit off;
del sel y

SET COMMAND COMPLETED

SET COMMAND COMPLETED

SET COMMAND COMPLETED

SET COMMAND COMPLETED

SET COMMAND COMPLETED

=> FILE CAPLUS,WPINDEX

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 12.89 | 170.29 |

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FILE COVERS 1907 - 2 Mar 2004 VOL 140 ISS 10
FILE LAST UPDATED: 1 Mar 2004 (20040301/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S WO 2001016085/PN,APPS

1 WO 2001016085/PN
 (WO2001016085/PN)
0 WO 2001016085/AP
0 WO 2001016085/PRN
0 WO 2001016085/APPS
 (WO 2001016085/AP,PRN)
L8 1 WO 2001016085/PN,APPS

=> FILE INPADOC

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
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| FULL ESTIMATED COST | 5.89 | 176.18 |

FILE 'INPADOC' ENTERED AT 07:53:48 ON 02 MAR 2004
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FILE LAST UPDATED: 26 FEB 2004 <20040226/UP>
26 FEB 2004 <20040226/UPLS>
MOST RECENT INPADOC WEEK: 200409 <200409/EW>
FILE COVERS 1968 TO DATE.

LEGAL STATUS REBUILD ---> SEE NEWS OR
<http://www.stn-international.de/stndatabases/details/LSR.pdf>

>>> FOR STATISTIC OF CURRENT WEEK'S NEW ENTRIES,
ENTER HELP UPS <<<

>>> STATISTIC FOR UPDATES OF PUBLICATION/PATENT KIND CODES

A. SORTED BY COUNTRY:

<http://www.stn-international.de/stndatabases/details/inpadoc/fkd1>

B. SORTED BY DATE:

<http://www.stn-international.de/stndatabases/details/inpadoc/fkd2>

<<<

>>> THE BASIC INDEX NOW CONTAINS SINGLE TERMS FROM THE
TITLE (/TI) AND ABSTRACT FIELDS (/AB) AND ALLOWS
SIMULTANEOUS LEFT AND RIGHT TRUNCATION (SLART) <<<

10/084,506

>>> FOR CHANGES IN INPADOC ----> SEE HELP CHANGE
(LAST UPDATED FEB 3, 2004) <<<

=> TRA L8 PN

L9 TRANSFER L8 1- PN : 11 TERMS
L10 11 L9

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=> S L10 AND US/PC

3787967 US/PC
L11 2 L10 AND US/PC

=> SEL PN

E1 THROUGH E2 ASSIGNED

=> S L10 AND ZA/PC

193467 ZA/PC
L12 1 L10 AND ZA/PC

=> SEL PN

E3 THROUGH E3 ASSIGNED

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10/084,506

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| E4 | 1 | EP1208075/PN |
| E5 | 1 | EP1288183/PN |
| E6 | 1 | WO2001016085/PN |

=>

Do you want to retrieve bibliographic & abstract data for these patent numbers from the CAPLUS and WPINDEX files (Y/N)?

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

<-----User Break----->

---Logging off of STN---

| | ENTRY | SESSION |
|---------------------|-------|---------|
| FULL ESTIMATED COST | 2.91 | 190.51 |

FILE 'REGISTRY' ENTERED AT 07:55:43 ON 02 MAR 2004
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STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1
DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Executing the logoff script...

=> LOG Y

Connecting via Winsock to STN

=>

<-----User Break----->

10/084,506

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1204RXW

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

| | | | |
|--------------|----|--------|--|
| NEWS | 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | | "Ask CAS" for self-help around the clock |
| NEWS | 3 | SEP 09 | CA/CAPLUS records now contain indexing from 1907 to the present |
| NEWS | 4 | DEC 08 | INPADOC: Legal Status data reloaded |
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| NEWS | 8 | OCT 28 | BIOSIS file segment of TOXCENTER reloaded and enhanced |
| NEWS | 9 | NOV 24 | MSDS-CCOHS file reloaded |
| NEWS | 10 | DEC 08 | CABA reloaded with left truncation |
| NEWS | 11 | DEC 08 | IMS file names changed |
| NEWS | 12 | DEC 09 | Experimental property data collected by CAS now available in REGISTRY |
| NEWS | 13 | DEC 09 | STN Entry Date available for display in REGISTRY and CA/CAPLUS |
| NEWS | 14 | DEC 17 | DGENE: Two new display fields added |
| NEWS | 15 | DEC 18 | BIOTECHNO no longer updated |
| NEWS | 16 | DEC 19 | CROPU no longer updated; subscriber discount no longer available |
| NEWS | 17 | DEC 22 | Additional INPI reactions and pre-1907 documents added to CAS databases |
| NEWS | 18 | DEC 22 | IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields |
| NEWS | 19 | DEC 22 | ABI-INFORM now available on STN |
| NEWS | 20 | JAN 27 | Source of Registration (SR) information in REGISTRY updated and searchable |
| NEWS | 21 | JAN 27 | A new search aid, the Company Name Thesaurus, available in CA/CAPLUS |
| NEWS | 22 | FEB 05 | German (DE) application and patent publication number format changes |
| NEWS EXPRESS | | | DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003 |
| NEWS HOURS | | | STN Operating Hours Plus Help Desk Availability |
| NEWS INTER | | | General Internet Information |
| NEWS LOGIN | | | Welcome Banner and News Items |
| NEWS PHONE | | | Direct Dial and Telecommunication Network Access to STN |
| NEWS WWW | | | CAS World Wide Web Site (general information) |

Enter NEWS followed by the item number or name to see news on that specific topic.

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10/084,506

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:20:11 ON 02 MAR 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 08:20:28 ON 02 MAR 2004

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STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 1015

L1 SCREEN CREATED

=> screen 1992 OR 2006 OR 2016 OR 2021 OR 2026 OR 1838

L2 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10084506b.str

CH2 CH CH21-3 O CH22-4 OH 1 2 3 4 5 6

chain nodes :

1 2 3 4 5 6

chain bonds :

1-2 2-3 3-4 4-5 5-6

exact bonds :

1-2 2-3 3-4 4-5 5-6

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS

10/084,506

L3 STRUCTURE UPLOADED

=> que L3 AND L1 NOT L2

L4 QUE L3 AND L1 NOT L2

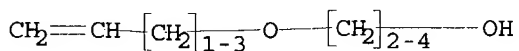
=> d

L4 HAS NO ANSWERS

L1 SCR 970 AND 1015

L2 SCR 1992 OR 2006 OR 2016 OR 2021 OR 2026 OR 1838

L3 STR



Structure attributes must be viewed using STN Express query preparation.

L4 QUE L3 AND L1 NOT L2

=> s l4

SAMPLE SEARCH INITIATED 08:20:52 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 193 TO ITERATE

100.0% PROCESSED 193 ITERATIONS

13 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 3027 TO 4693

PROJECTED ANSWERS: 44 TO 476

L5 13 SEA SSS SAM L3 AND L1 NOT L2

=> s l4 ful

FULL SEARCH INITIATED 08:21:14 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3568 TO ITERATE

100.0% PROCESSED 3568 ITERATIONS

213 ANSWERS

SEARCH TIME: 00.00.01

L6 213 SEA SSS FUL L3 AND L1 NOT L2

=> d scan

L6 213 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

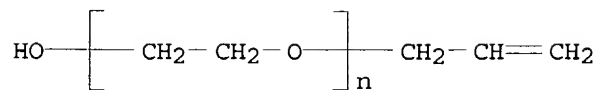
IN 10-Undecenoic acid, polymer with 3-butenic acid, chlorotrifluoroethene, ethenyl butanoate, 1-propene and α -2-propenyl- ω -hydroxypoly(oxy-1,2-ethanediyl) (9CI)

MF (C11 H20 O2 . C6 H10 O2 . C4 H6 O2 . C3 H6 . (C2 H4 O)n C3 H6 O . C2 Cl F3)x

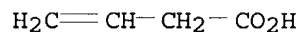
CI PMS

CM 1

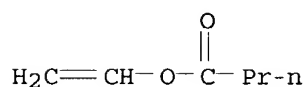
10/084,506



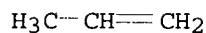
CM 2



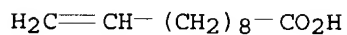
CM 3



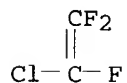
CM 4



CM 5



CM 6



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l4 ful css

FULL SEARCH INITIATED 08:21:57 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3568 TO ITERATE

100.0% PROCESSED 3568 ITERATIONS

213 ANSWERS

SEARCH TIME: 00.00.01

L7 213 SEA CSS FUL L3 AND L1 NOT L2

=> file caplus uspatful

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

311.26

311.47

10/084,506

FILE 'CAPLUS' ENTERED AT 08:22:10 ON 02 MAR 2004
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FILE 'USPATFULL' ENTERED AT 08:22:10 ON 02 MAR 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 17

L8 1129 L7

=> dup rem l8

PROCESSING COMPLETED FOR L8

L9 1060 DUP REM L8 (69 DUPLICATES REMOVED)

=> s 19 and py<2002

L10 909 L9 AND PY<2002

=> d 909 bib fhitr

L10 ANSWER 909 OF 909 USPATFULL on STN

AN 75:13780 USPATFULL

TI Fluorinated polyurethane stain repellents

IN Gresham, John T., Skillman, NJ, United States

PA AMC Corporation, New York, NY, United States (U.S. corporation)

PI US 3872058 19750318 <--

AI US 1974-432173 19740110 (5)

RLI Continuation-in-part of Ser. No. US 1971-184267, filed on 27 Sep 1971,
now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Lee, Lester L.

CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1085

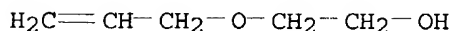
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 111-45-5

(reaction of, with perfluorooctyl iodide)

RN 111-45-5 USPATFULL

CN Ethanol, 2-(2-propenyloxy)- (9CI) (CA INDEX NAME)



=> d 908 bib fhitr

L10 ANSWER 908 OF 909 USPATFULL on STN

AN 77:44942 USPATFULL

TI Acrylonitrile-capped polyether-siloxane

IN Prokai, Bela, Mahopac, NY, United States

Kanner, Bernard, West Nyack, NY, United States

PA Union Carbide Corporation, New York, NY, United States (U.S.
corporation)

PI US 4043951 19770823 <--

AI US 1975-627251 19751030 (5)

DT Utility

FS Granted

EXNAM Primary Examiner: Jacobs, Lewis T.

10/084,506

LREP Finnegan, Reynold J.
CLMN Number of Claims: 37
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2541

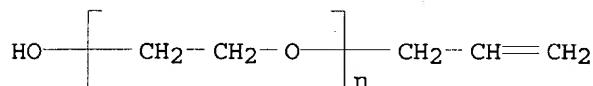
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 27274-31-3D, cyanoethylated, siloxane derivs.

(stabilizers, for self-extinguishing polyurethane foams)

RN 27274-31-3 USPATFULL

CN Poly(oxy-1,2-ethanediyl), α -2-propenyl- ω -hydroxy- (9CI) (CA
INDEX NAME)



=> d 907 bib fhitstr

L10 ANSWER 907 OF 909 USPATFULL on STN

AN 78:49296 USPATFULL

TI Process for the condensation of epoxides with organic compounds having
an active hydrogen

IN Weibull, Bengt John Gustaf, Stenungsund, Sweden

Thorsell, Leif Urban Folke, Domsjoverken, Sweden

PA Berol Kemi AB, Stenungsund, Sweden (non-U.S. corporation)

PI US 4112231 19780905 <--

AI US 1976-719646 19760901 (5)

PRAI SE 1975-9916 19750905

DT Utility

FS Granted

EXNAM Primary Examiner: Helfin, Bernard

CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 637

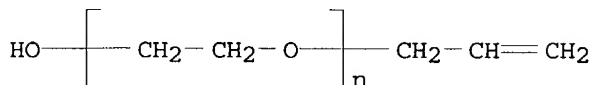
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 27274-31-3P

(manufacture of, catalysts for)

RN 27274-31-3 USPATFULL

CN Poly(oxy-1,2-ethanediyl), α -2-propenyl- ω -hydroxy- (9CI) (CA
INDEX NAME)



=> d 900-906 ti

L10 ANSWER 900 OF 909 USPATFULL on STN

TI Tetrazolylcoumarin derivatives and antiallergic compositions containing
the same

L10 ANSWER 901 OF 909 USPATFULL on STN

TI Polyurethanes which are dispersible or soluble in water and a process

10/084,506

for their preparation

L10 ANSWER 902 OF 909 USPATFULL on STN
TI Poly(ethylenically unsaturated alkoxy) heterocyclic protective coatings

L10 ANSWER 903 OF 909 USPATFULL on STN
TI Poly(ethylenically unsaturated alkoxy) heterocyclic compounds

L10 ANSWER 904 OF 909 USPATFULL on STN
TI Polyalkylene oxide-containing urethane polyols with sulphonic acid groups

L10 ANSWER 905 OF 909 USPATFULL on STN
TI Acrylonitrile-capped polyether-siloxanes

L10 ANSWER 906 OF 909 USPATFULL on STN
TI Halohydrin thioethers and method of preparation

=> d 900 bib fhitr

L10 ANSWER 900 OF 909 USPATFULL on STN
AN 83:44055 USPATFULL
TI Tetrazolylcoumarin derivatives and antiallergic compositions containing the same
IN Matsuda, Tetsuo, Kyoto, Japan
Nakano, Jun, Moriyama, Japan
Terashima, Yukio, Shiga, Japan
Suzuki, Yuji, Otsu, Japan
Itikawa, Kiyonoshin, Otsu, Japan
PA Kakenyaku Kako Co., Ltd., Tokyo, Japan (non-U.S. corporation)
PI US 4406908 19830927 <--
AI US 1981-260900 19810506 (6)
PRAI JP 1980-62062 19800510
DT Utility
FS Granted
EXNAM Primary Examiner: Daus, Donald G.; Assistant Examiner: Springer, D. B.
LREP Armstrong, Nikaido, Marmelstein & Kubovcik
CLMN Number of Claims: 5
ECL Exemplary Claim: 1,3
DRWN No Drawings
LN.CNT 764
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 111-45-5
(alkylation of cyanocoumarinol by)
RN 111-45-5 USPATFULL
CN Ethanol, 2-(2-propenyloxy)- (9CI) (CA INDEX NAME)

$\text{H}_2\text{C}=\text{CH}-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-\text{OH}$

=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

32.70

344.17

FILE 'STNGUIDE' ENTERED AT 08:28:17 ON 02 MAR 2004

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10/084,506

AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Feb 27, 2004 (20040227/UP).

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.18

344.35

FILE 'REGISTRY' ENTERED AT 08:30:15 ON 02 MAR 2004

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STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 1015

L11 SCREEN CREATED

=> screen 1992 OR 2016 OR 2021 OR 2026 OR 1838

L12 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10084506bb.str

CH2 CH CH22-2 O CH23-3 OH 1 2 3 4 5 6

chain nodes :

1 2 3 4 5 6

chain bonds :

1-2 2-3 3-4 4-5 5-6

exact bonds :

1-2 2-3 3-4 4-5 5-6

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS

10/084,506

L13 STRUCTURE UPLOADED

=> que L13 AND L11 NOT L12

L14 QUE L13 AND L11 NOT L12

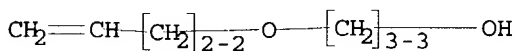
=> d

L14 HAS NO ANSWERS

L11 SCR 970 AND 1015

L12 SCR 1992 OR 2016 OR 2021 OR 2026 OR 1838

L13 STR



Structure attributes must be viewed using STN Express query preparation.

L14 QUE L13 AND L11 NOT L12

=> s l14 full

FULL SEARCH INITIATED 08:30:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 11930 TO ITERATE

100.0% PROCESSED 11930 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L15 1 SEA SSS FUL L13 AND L11 NOT L12

=> d

L15 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 329270-13-5 REGISTRY

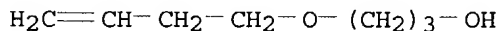
CN 1-Propanol, 3-(3-butenyloxy)- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C7 H14 O2

SR CA

LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file ca

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

157.19

501.54

FILE 'CA' ENTERED AT 08:31:00 ON 02 MAR 2004

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FILE COVERS 1907 - 26 Feb 2004 VOL 140 ISS 10
FILE LAST UPDATED: 26 Feb 2004 (20040226/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l15

L16 1 L15

=> d

L16 ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN

AN 134:224308 CA

TI Preparation of vic-dichloro acid fluoride as intermediates for preparing monomers of fluoropolymers

IN Okazoe, Takashi; Watanabe, Kunio; Ito, Masahiro; Shirakawa, Daisuke; Tatematsu, Shin

PA Asahi Glass Company, Limited, Japan

SO PCT Int. Appl., 66 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | WO 2001016085 | A1 | 20010308 | WO 2000-JP5888 | 20000830 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| | JP 2001139509 | A2 | 20010522 | JP 2000-166773 | 20000602 |
| | AU 2000068660 | A5 | 20010326 | AU 2000-68660 | 20000830 |
| | EP 1208075 | A1 | 20020529 | EP 2000-956818 | 20000830 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL | | | |
| | JP 2003508374 | T2 | 20030304 | JP 2001-519655 | 20000830 |
| | WO 2001094285 | A1 | 20011213 | WO 2001-JP1735 | 20010306 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, | | | |

10/084,506

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
AU 2001036108 A5 20011217 AU 2001-36108 20010306
EP 1288183 A1 20030305 EP 2001-908356 20010306
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
ZA 2002000832 A 20030130 ZA 2002-832 20020130
US 2002107358 A1 20020808 US 2002-84506 20020228
US 2003139570 A1 20030724 US 2002-307388 20021202
PRAI JP 1999-246154 A 19990831
JP 2000-211722 A 20000712
JP 2000-166773 A 20000602
WO 2000-JP5888 W 20000830
WO 2001-JP1735 W 20010306
OS MARPAT 134:224308
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file stnguide

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 1.43 | 502.97 |

FILE 'STNGUIDE' ENTERED AT 08:31:45 ON 02 MAR 2004
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Feb 27, 2004 (20040227/UP).

=> d 1-899 ti

YOU HAVE REQUESTED DATA FROM FILE 'CA' - CONTINUE? (Y)/N:n

=> file caplus uspatful

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.84 | 503.81 |

FILE 'CAPLUS' ENTERED AT 08:39:57 ON 02 MAR 2004
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FILE 'USPATFULL' ENTERED AT 08:39:57 ON 02 MAR 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> d his

(FILE 'HOME' ENTERED AT 08:20:11 ON 02 MAR 2004)

FILE 'REGISTRY' ENTERED AT 08:20:28 ON 02 MAR 2004

L1 SCREEN 970 AND 1015
L2 SCREEN 1992 OR 2006 OR 2016 OR 2021 OR 2026 OR 1838
L3 STRUCTURE UPLOADED
L4 QUE L3 AND L1 NOT L2
L5 13 S L4
L6 213 S L4 FUL
L7 213 S L4 FUL CSS

10/084,506

FILE 'CAPLUS, USPATFULL' ENTERED AT 08:22:10 ON 02 MAR 2004

L8 1129 S L7
L9 1060 DUP REM L8 (69 DUPLICATES REMOVED)
L10 909 S L9 AND PY<2002

FILE 'STNGUIDE' ENTERED AT 08:28:17 ON 02 MAR 2004

FILE 'REGISTRY' ENTERED AT 08:30:15 ON 02 MAR 2004

L11 SCREEN 970 AND 1015
L12 SCREEN 1992 OR 2016 OR 2021 OR 2026 OR 1838
L13 STRUCTURE UPLOADED
L14 QUE L13 AND L11 NOT L12
L15 1 S L14 FULL

FILE 'CA' ENTERED AT 08:31:00 ON 02 MAR 2004

L16 1 S L15

FILE 'STNGUIDE' ENTERED AT 08:31:45 ON 02 MAR 2004

FILE 'CAPLUS, USPATFULL' ENTERED AT 08:39:57 ON 02 MAR 2004

=> d l10 1-20 ti

L10 ANSWER 1 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Copolymers of vinyl acetate in forming of alumina powders

L10 ANSWER 2 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of aqueous fluoropolymer emulsion for paints

L10 ANSWER 3 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Unsaturated ethers and their use in curable compositions

L10 ANSWER 4 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Effects of fermentation conditions on indexes of lactic acid
bacteria-fermented vegetable juice

L10 ANSWER 5 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Sizing agent containing modified poly(vinyl alcohol) for glass fiber

L10 ANSWER 6 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Multicomponent polymer-based additives for improving cold-flow properties
and inhibition of wax crystallization of crude petroleum and other heavy
oils

L10 ANSWER 7 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Aqueous suspensions of pentabromobenzyl acrylate and their preparation

L10 ANSWER 8 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of a conformationally rigid scyllo-inositol polymer as a novel
chelating ligand

L10 ANSWER 9 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI 1-Benzoyl-3-[2-[4-(1H-benzimidazole-2-carbonyl)piperidin-1-yl]ethyl]-3-
phenylpyrrolidine derivatives and analogs as histamine and tachykinin
receptor antagonists useful for the treatment of allergic diseases

L10 ANSWER 10 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of aziridinoalkyl-terminated block copolymers and their uses

L10 ANSWER 11 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Siloxanyl-containing monomers, their polymers, and ophthalmic lenses using
the polymers

10/084,506

L10 ANSWER 12 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI New Synthetic Methodologies for Amphiphilic Multiblock Copolymers of Ethylene Glycol and Propylene Sulfide

L10 ANSWER 13 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Eugenol-functionalized silicones

L10 ANSWER 14 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Dimethicone copolyol amido quats

L10 ANSWER 15 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Thermally meltable poly(vinyl alcohol) resin compositions with good melt processability

L10 ANSWER 16 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Fiber product treating agents

L10 ANSWER 17 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Allyl ethers as apparent initiators of radical polymerizations

L10 ANSWER 18 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Polyorganosiloxanes having alkoxyated side chains for treating fabrics

L10 ANSWER 19 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of polysiloxanes bearing polyoxyalkylene segments and diol groups at one end

L10 ANSWER 20 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
TI Method for production of copolymer as calcium carbonate scale inhibitor in water treatment system

=> d 3,5,16 bib fhitr
YOU HAVE REQUESTED DATA FROM FILE 'CA' - CONTINUE? (Y)/N:n

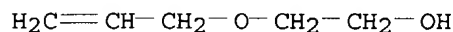
=> d l10 3,5,16 bib fhitr

L10 ANSWER 3 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:312048 CAPLUS
DN 136:325980
TI Unsaturated ethers and their use in curable compositions
IN Kai, Kazufumi; Ohta, Keisuke; Uchida, Hiroshi
PA Showa Denko K.K., Japan
SO U.S., 17 pp., Cont. of U.S. Ser. No. 254,595.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-----|--|------|----------|-----------------|--------------|
| PI | US 6376702 | B1 | 20020423 | US 2000-495292 | 20000201 |
| | WO 9902482 | A1 | 19990121 | WO 1998-JP3107 | 19980710 <-- |
| W: | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: | GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |

10/084,506

US 6204410 B1 20010320 US 1999-254595 19990311 <--
PRAI JP 1997-186804 A 19970711
WO 1998-JP3107 W 19980710
JP 1998-367331 A 19981224
US 1999-118161P P 19990201
US 1999-254595 A2 19990311
IT 111-45-5, Ethylene glycol monoallyl ether
RL: RCT (Reactant); RACT (Reactant or reagent)
(unsatd. ethers and their use in curable compns.)
RN 111-45-5 CAPLUS
CN Ethanol, 2-(2-propenyloxy)- (9CI) (CA INDEX NAME)



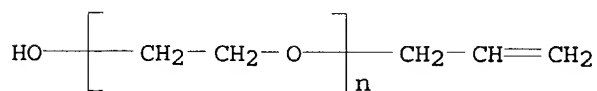
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 5 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:930175 CAPLUS
DN 136:55182
TI Sizing agent containing modified poly(vinyl alcohol) for glass fiber
IN Honda, Takuya; Hirai, Yoshiaki
PA Nippon Synthetic Chemical Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 2001354455 A2 20011225 JP 2000-169909 20000607 <--
PRAI JP 2000-169909 20000607
IT 166239-31-2DP, Polyoxyethylene monoallyl ether-vinyl acetate graft
copolymer, saponified
RL: NUU (Other use, unclassified); PNU (Preparation, unclassified); PREP
(Preparation); USES (Uses)
(sizing agent containing polyoxyalkylene group-containing poly(vinyl alc.)
for
glass fiber)
RN 166239-31-2 CAPLUS
CN Acetic acid ethenyl ester, polymer with α -2-propenyl- ω -
hydroxypoly(oxy-1,2-ethanediyl), graft (9CI) (CA INDEX NAME)

CM 1

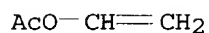
CRN 27274-31-3
CMF (C2 H4 O)_n C3 H6 O
CCI PMS



CM 2

CRN 108-05-4
CMF C4 H6 O2

10/084,506



L10 ANSWER 16 OF 909 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:729846 CAPLUS

DN 135:290107

TI Fiber product treating agents

IN Igarashi, Takako; Yui, Koji; Hasegawa, Miki; Yoshida, Yasushi

PA Kao Corporation, Japan

SO Eur. Pat. Appl., 24 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|--------------|
| PI | EP 1138819 | A2 | 20011004 | EP 2001-107728 | 20010330 <-- |
| | EP 1138819 | A3 | 20030326 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| | JP 2001348780 | A2 | 20011221 | JP 2001-84827 | 20010323 <-- |
| | US 2001037529 | A1 | 20011108 | US 2001-820992 | 20010330 <-- |
| | US 6660044 | B2 | 20031209 | | |
| PRAI | JP 2000-97642 | A | 20000331 | | |
| IT | 86830-15-1P | | | | |
| | RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) | | | | |
| | (fiber product treating agents) | | | | |
| RN | 86830-15-1 CAPLUS | | | | |
| CN | 2-Propenoic acid, polymer with α -2-propenyl- ω -hydroxypoly(oxy-1,2-ethanediyl), sodium salt (9CI) (CA INDEX NAME) | | | | |

CM 1

CRN 82850-00-8

CMF (C3 H4 O2 . (C2 H4 O)n C3 H6 O)x

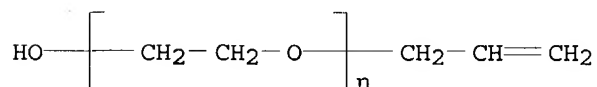
CCI PMS

CM 2

CRN 27274-31-3

CMF (C2 H4 O)n C3 H6 O

CCI PMS

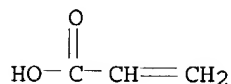


CM 3

CRN 79-10-7

CMF C3 H4 O2

10/084,506



=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

20.54

524.35

FILE 'STNGUIDE' ENTERED AT 08:44:17 ON 02 MAR 2004

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Feb 27, 2004 (20040227/UP).

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.30

524.65

FILE 'REGISTRY' ENTERED AT 08:47:24 ON 02 MAR 2004

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STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 1015

L17 SCREEN CREATED

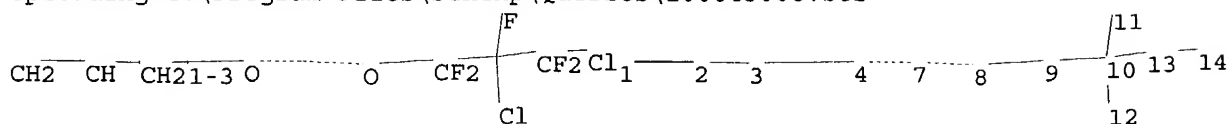
=> screen 1992 OR 2006 OR 2016 OR 2021 OR 1838

L18 SCREEN CREATED

10/084,506

=>

Uploading C:\Program Files\Stnexp\Queries\10084506c.str



chain nodes :

1 2 3 4 7 8 9 10 11 12 13 14

chain bonds :

1-2 2-3 3-4 4-7 7-8 8-9 9-10 10-11 10-12 10-13 13-14

exact/norm bonds :

4-7 7-8

exact bonds :

1-2 2-3 3-4 8-9 9-10 10-11 10-12 10-13 13-14

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS

12:CLASS 13:CLASS 14:CLASS

L19 STRUCTURE UPLOADED

=> que L19 AND L17 NOT L18

L20 QUE L19 AND L17 NOT L18

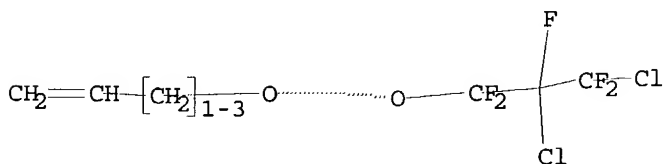
=> d

L20 HAS NO ANSWERS

L17 SCR 970 AND 1015

L18 SCR 1992 OR 2006 OR 2016 OR 2021 OR 1838

L19 STR



Structure attributes must be viewed using STN Express query preparation.

L20 QUE L19 AND L17 NOT L18

=> s l20 ful

FULL SEARCH INITIATED 08:47:53 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 4 TO ITERATE

100.0% PROCESSED 4 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L21 0 SEA SSS FUL L19 AND L17 NOT L18

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

10/084,506

=> screen 963 AND 970 AND 1015

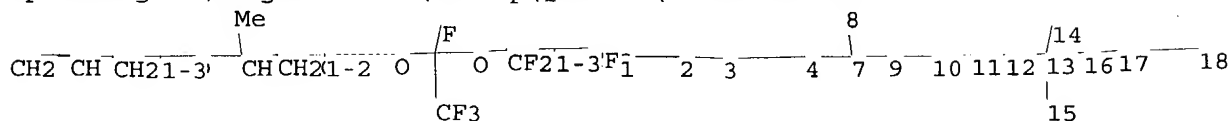
L22 SCREEN CREATED

=> screen 1992 OR 2016 OR 2021 OR 2026 OR 1838

L23 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10084506d.str



chain nodes :

1 2 3 4 7 8 9 10 11 12 13 14 15 16 17 18

chain bonds :

1-2 2-3 3-4 4-7 7-8 7-9 9-10 10-11 11-12 12-13 13-14 13-15 13-16 16-17
17-18

exact/norm bonds :

4-7 10-11 11-12 12-13 13-16

exact bonds :

1-2 2-3 3-4 7-8 7-9 9-10 13-14 13-15 16-17 17-18

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS

L24 STRUCTURE UPLOADED

=> que L24 AND L22 NOT L23

L25 QUE L24 AND L22 NOT L23

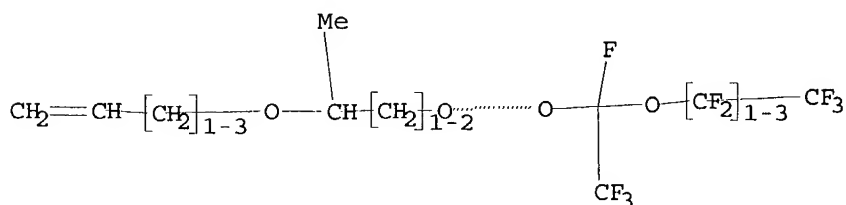
=> d

L25 HAS NO ANSWERS

L22 SCR 963 AND 970 AND 1015

L23 SCR 1992 OR 2016 OR 2021 OR 2026 OR 1838

L24 STR



Structure attributes must be viewed using STN Express query preparation.

L25 QUE L24 AND L22 NOT L23

10/084,506

=> s 125 ful

FULL SEARCH INITIATED 08:48:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L26 0 SEA SSS FUL L24 AND L22 NOT L23

=>Testing the current file.... screen

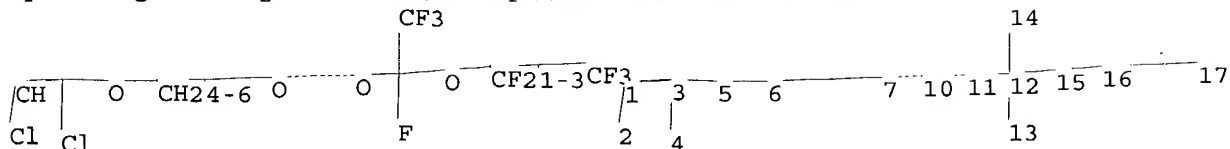
ENTER SCREEN EXPRESSION OR (END):end

=> screen 1992 OR 2016 OR 2021 OR 2026 OR 1838

L27 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10084506e.str



chain nodes :

1 2 3 4 5 6 7 10 11 12 13 14 15 16 17

chain bonds :

1-2 1-3 3-4 3-5 5-6 6-7 7-10 10-11 11-12 12-13 12-14 12-15 15-16 16-17

exact/norm bonds :

3-5 7-10 10-11 11-12 12-15

exact bonds :

1-2 1-3 3-4 5-6 6-7 12-13 12-14 15-16 16-17

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 10:CLASS 11:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS

L28 STRUCTURE UPLOADED

=> que L28 NOT L27

L29 QUE L28 NOT L27

=> file stnguide

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 311.68 | 836.33 |

FILE 'STNGUIDE' ENTERED AT 08:49:50 ON 02 MAR 2004
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10/084,506

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Feb 27, 2004 (20040227/UP).

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.36

836.69

FILE 'REGISTRY' ENTERED AT 08:53:18 ON 02 MAR 2004
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STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1
DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 1015

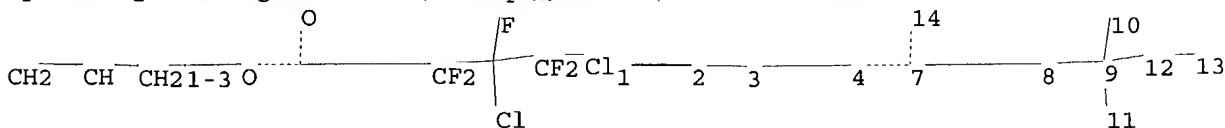
L30 SCREEN CREATED

=> screen 1992 OR 2016 OR 2021 OR 2026 OR 1838

L31 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10084506cc.str



chain nodes :

1 2 3 4 7 8 9 10 11 12 13 14

chain bonds :

1-2 2-3 3-4 4-7 7-8 7-14 8-9 9-10 9-11 9-12 12-13

exact/norm bonds :

4-7 7-14

exact bonds :

1-2 2-3 3-4 7-8 8-9 9-10 9-11 9-12 12-13

10/084,506

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS
12:CLASS 13:CLASS 14:CLASS

L32 STRUCTURE UPLOADED

=> que L32 AND L30 NOT L31

L33 QUE L32 AND L30 NOT L31

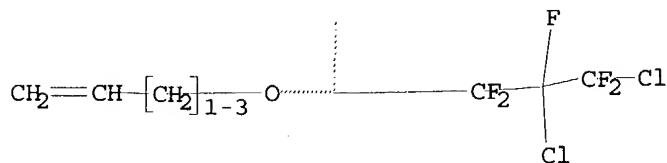
=> d

L33 HAS NO ANSWERS

L30 SCR 970 AND 1015

L31 SCR 1992 OR 2016 OR 2021 OR 2026 OR 1838

L32 STR



Structure attributes must be viewed using STN Express query preparation.

L33 QUE L32 AND L30 NOT L31

=> s l33 ful

FULL SEARCH INITIATED 08:53:48 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 23 TO ITERATE

100.0% PROCESSED 23 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L34 1 SEA SSS FUL L32 AND L30 NOT L31

=> d

L34 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 329270-19-1 REGISTRY

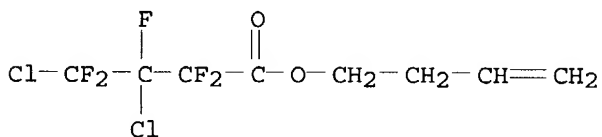
CN Butanoic acid, 3,4-dichloro-2,2,3,4,4-pentafluoro-, 3-butenyl ester (9CI)
(CA INDEX NAME)

FS 3D CONCORD

MF C8 H7 Cl2 F5 O2

SR CA

LC STN Files: CA, CAPLUS



10/084,506

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file ca

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 157.19 | 993.88 |

FILE 'CA' ENTERED AT 08:54:06 ON 02 MAR 2004
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FILE COVERS 1907 - 26 Feb 2004 VOL 140 ISS 10
FILE LAST UPDATED: 26 Feb 2004 (20040226/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l34

L35 1 L34

=> d

L35 ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN
AN 134:224308 CA
TI Preparation of vic-dichloro acid fluoride as intermediates for preparing monomers of fluoropolymers
IN Okazoe, Takashi; Watanabe, Kunio; Ito, Masahiro; Shirakawa, Daisuke; Tatematsu, Shin
PA Asahi Glass Company, Limited, Japan
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2001016085 | A1 | 20010308 | WO 2000-JP5888 | 20000830 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, | | | |

10/084,506

CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
JP 2001139509 A2 20010522 JP 2000-166773 20000602
AU 2000068660 A5 20010326 AU 2000-68660 20000830
EP 1208075 A1 20020529 EP 2000-956818 20000830
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL
JP 2003508374 T2 20030304 JP 2001-519655 20000830
WO 2001094285 A1 20011213 WO 2001-JP1735 20010306
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU,
LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,
SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
AU 2001036108 A5 20011217 AU 2001-36108 20010306
EP 1288183 A1 20030305 EP 2001-908356 20010306
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
ZA 2002000832 A 20030130 ZA 2002-832 20020130
US 2002107358 A1 20020808 US 2002-84506 20020228
US 2003139570 A1 20030724 US 2002-307388 20021202
PRAI JP 1999-246154 A 19990831
JP 2000-211722 A 20000712
JP 2000-166773 A 20000602
WO 2000-JP5888 W 20000830
WO 2001-JP1735 W 20010306
OS MARPAT 134:224308
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 1.43 | 995.31 |

FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

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conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

10/084,506

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

995.73

STN INTERNATIONAL LOGOFF AT 08:55:05 ON 02 MAR 2004